Section 3
1999 Total Crashes, Injury Crashes and Fatal Crashes Involving Pedestrians

TABLES

FIGURES

1993 - 1999 Crashes Involving Pedestrians

Table 3.01 and Figure 3.01 show the trends in pedestrian crashes for 1993 - 1999. The highest rate per million vehicle miles traveled (MVMT) of pedestrian crashes and pedestrian injury crashes occurred in 1996, while the highest rate of fatal pedestrian crashes occurred in 1995. It is possible that the decrease in reported pedestrian crashes from 1997 to 1999 is due to a change in reporting criteria initiated in 1997 that excluded private property crashes. As a result, pedestrian crashes that occurred in a parking lot, driveway and other private roadways would not be included from 1997 forward.

Figure 3.01 Total Crashes, Injury Crashes and Fatal Crashes Involving Pedestrians, Utah 1993 - 1999

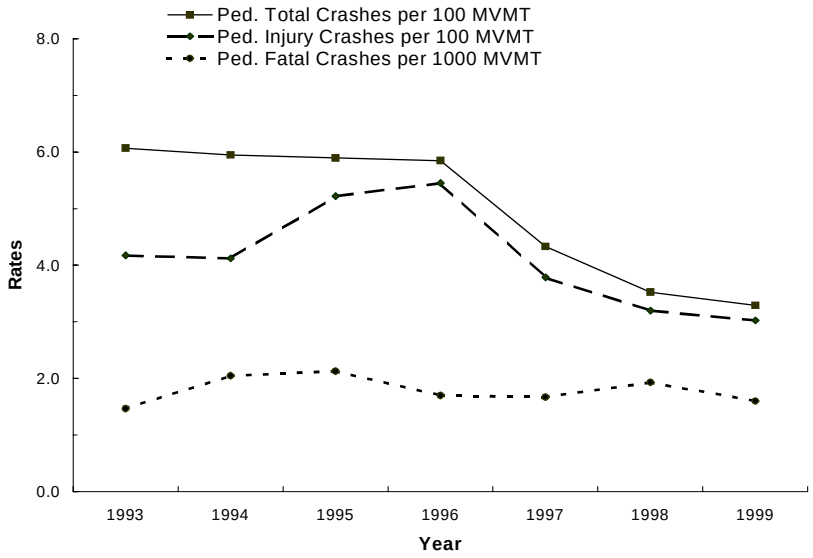


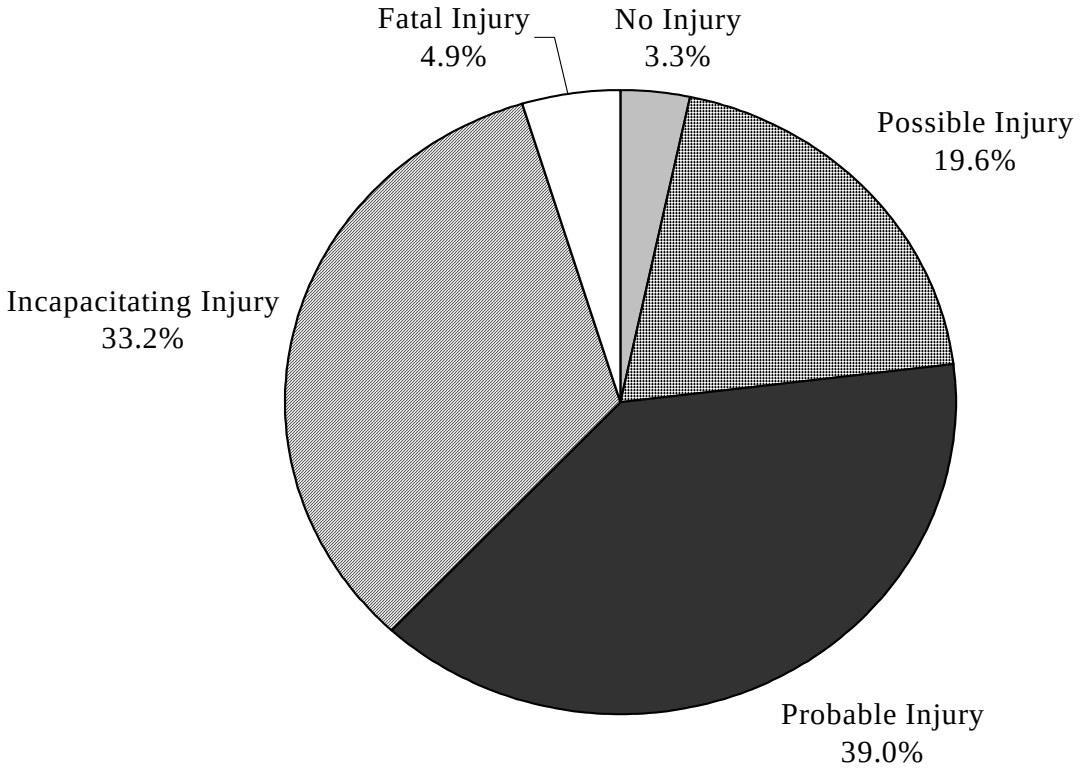
Table 3.01 Total Crashes, Injury Crashes and Fatal Crashes Involving Pedestrians, Utah 1993 - 1999

	Ped. Total Crashes	Rate per 100	Ped. Injury Crashes	Rate per 100	Ped. Fatal Crashes	Rate per 1000
Year	#	MVMT	#	MVMT	#	MVMT
1993	1,035	6.1	712	4.2	25	1.5
1994	1,075	5.9	745	4.1	37	2.0
1995	1,108	5.9	981	5.2	40	2.1
1996	1,137	5.9	1,060	5.5	33	1.7
1997	884	4.3	773	3.8	34	1.7
1998	748	3.5	679	3.2	41	1.9
1999	720	3.3	661	3.0	35	1.6

1999 Pedestrian Crash Severity

Figure 3.02 shows that the majority of pedestrian crashes (96.7%) resulted in some level of injury compared to 37.6% of all motor vehicle crashes. Moreover, 4.9% of pedestrian crashes resulted in a fatality, compared to 0.6% of all motor vehicle crashes.

Figure 3.02 Severity of Pedestrian Motor Vehicle Crashes as Reported by Police, Utah 1999 (n=720)



1999 Pedestrian Crashes by County

The rates of pedestrian-involved crashes, injury crashes and fatal crashes by county are shown in Table 3.02. There are two different rates given; one based on population of the county, and another on the miles traveled in the county. The top three counties for pedestrian-involved crashes and injury crashes based on miles traveled were Weber, Salt Lake and Utah.

Table 3.02 Total Crashes, Injury Crashes and Fatal Crashes Involving Pedestrians by County, Utah 1999

	Ped. Total Crashes			Ped. Injury Crashes			Ped. Fatal Crashes		
County	#	Rate per 100 MVMT	Rate per 10,000 Population	#	Rate per 100 MVMT	Rate per 10,000 Population	#	Rate per 1000 MVMT	Rate per 10,000 Population
Beaver	1	0.5	1.6	1	0.5	1.6	0	0.0	0.0
Box Elder	11	1.3	2.7	10	1.1	2.4	1	1.1	0.2
Cache	24	3.2	2.7	22	2.9	2.4	2	2.6	0.2
Carbon	2	0.6	0.9	2	0.6	0.9	0	0.0	0.0
Daggett	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
Davis	48	2.4	2.1	42	2.1	1.8	5	2.5	0.2
Duchesne	4	2.2	2.8	4	2.2	2.8	0	0.0	0.0
Emery	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
Garfield	1	0.8	2.2	1	0.8	2.2	0	0.0	0.0
Grand	2	0.7	2.0	2	0.7	2.0	0	0.0	0.0
Iron	6	1.1	1.9	6	1.1	1.9	0	0.0	0.0
Juab	1	0.3	0.0	1	0.0	0.0	0	0.0	0.0
Kane	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
Millard	2	0.5	1.6	2	0.5	1.6	0	0.0	0.0
Morgan	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
Piute	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
Rich	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
Salt Lake	366	5.1	4.3	336	4.7	4.0	14	1.9	0.2
San Juan	5	2.0	3.8	5	2.0	3.8	0	0.0	0.0
Sanpete	5	2.2	2.3	4	1.7	1.9	1	4.3	0.5
Sevier	4	1.1	2.1	4	1.1	2.1	0	0.0	0.0
Summit	4	0.7	1.6	4	0.7	1.6	0	0.0	0.0
Tooele	4	0.6	1.2	3	0.5	0.9	1	1.6	0.3
Uintah	1	0.4	0.4	0	0.0	0.0	0	0.0	0.0
Utah	127	4.3	3.8	118	4.0	3.5	6	2.1	0.2
Wasatch	2	0.8	1.5	2	0.8	1.5	0	0.0	0.0
Washington	24	2.9	3.0	20	2.4	2.5	2	2.4	0.3
Wayne	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
Weber	76	5.1	4.1	72	4.9	3.9	3	2.0	0.2
Statewide	720	3.3	3.4	661	3.0	3.1	35	1.6	0.2

Table 3.03 compares pedestrian crashes in 1998 to 1999. Most counties experienced a decrease in pedestrian crashes for 1999 compared to 1998.

Table 3.03. Total Crashes, Injury Crashes and Fatal Crashes Involving Pedestrians by County, Utah 1998 - 1999

	Ped. Total Crashes				Ped. Injury Crashes				Ped. Fatal Crashes			
	1998		1999		1998		1999		1998		1999	
County	#	Rate per 100 MVMT	#	Rate per 100 MVMT	#	Rate per 100 MVMT	#	Rate per 100 MVMT	#	Rate per 1000 MVMT	#	Rate per 1000 MVMT
Beaver	4	2.0	1	0.5	4	2.0	1	0.5	0	0.0	0	0.0
Box Elder	3	0.3	11	1.3	3	0.3	10	1.2	0	0.0	1	1.2
Cache	16	2.2	24	3.2	15	2.0	22	3.0	0	0.0	2	2.7
Carbon	4	1.2	2	0.6	4	1.2	2	0.6	0	0.0	0	0.0
Daggett	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Davis	43	2.2	48	2.5	36	1.8	42	2.1	3	1.5	5	2.6
Duchesne	2	1.1	4	2.2	2	1.1	4	2.2	0	0.0	0	0.0
Emery	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Garfield	1	0.8	1	0.8	1	0.8	1	0.8	0	0.0	0	0.0
Grand	1	0.4	2	0.8	1	0.4	2	0.8	0	0.0	0	0.0
Iron	7	1.3	6	1.1	6	1.1	6	1.1	1	1.9	0	0.0
Juab	2	0.6	1	0.3	2	0.6	1	0.3	0	0.0	0	0.0
Kane	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Millard	1	0.3	2	0.5	1	0.3	2	0.5	0	0.0	0	0.0
Morgan	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Piute	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rich	1	2.2	0	0.0	1	2.2	0	0.0	0	0.0	0	0.0
Salt Lake	429	6.1	366	5.2	391	5.5	336	4.8	20	2.8	14	2.0
San Juan	1	0.4	5	1.8	1	0.4	5	1.8	0	0.0	0	0.0
Sanpete	5	2.3	5	2.3	4	1.8	4	1.8	0	0.0	1	4.5
Sevier	5	1.4	4	1.1	5	1.4	4	1.1	0	0.0	0	0.0
Summit	6	1.1	4	0.7	5	0.9	4	0.7	1	1.8	0	0.0
Tooele	5	0.8	4	0.6	4	0.6	3	0.5	1	1.6	1	1.6
Uintah	3	1.1	1	0.4	3	1.1	0	0.0	0	0.0	0	0.0
Utah	124	4.5	127	4.6	115	4.2	118	4.3	8	2.9	6	2.2
Wasatch	3	1.3	2	0.9	3	1.3	2	0.9	0	0.0	0	0.0
Washington	15	1.8	24	2.8	13	1.5	20	2.4	1	1.2	2	2.4
Wayne	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Weber	67	4.8	76	5.4	59	4.2	72	5.1	6	4.3	3	2.1
Statewide	748	3.5	720	3.4	679	3.2	661	3.1	41	1.9	35	1.6

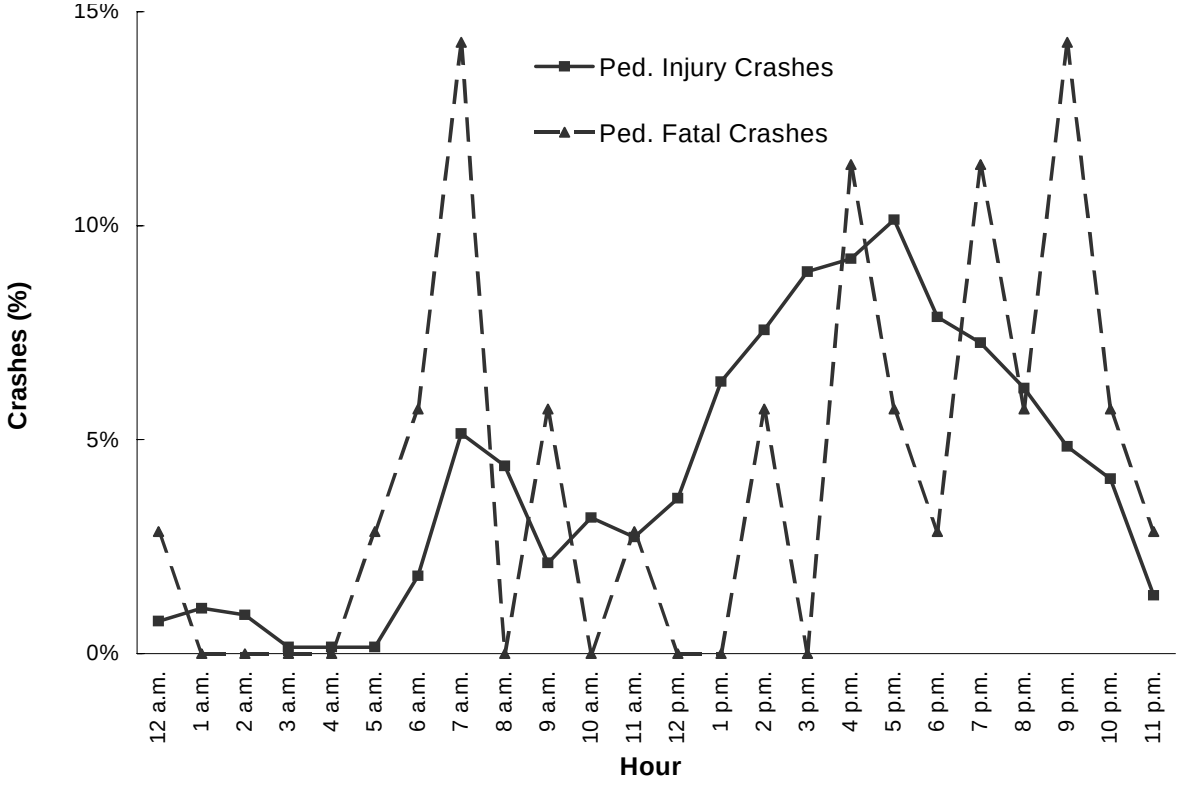
1999 Pedestrian Crash Times

Table 3.04 and Figure 3.03 show that pedestrian crashes and pedestrian injury crashes peaked during the late afternoon (3 p.m. to 5 p.m.). Fatal pedestrian crashes occurred most often in the evening from 4 p.m. to 9 p.m. and again in the morning hour at 7 a.m.

Table 3.04 Hour of Total Crashes, Injury Crashes and Fatal Crashes Involving Pedestrians, Utah 1999

	Ped. Total Crashes		Ped. Injury Crashes		Ped. Fatal Crashes	
Hour	**#**	**%**	**#**	**%**	**#**	**%**
12 a.m.	6	0.8%	5	0.8%	1	2.9%
1 a.m.	7	1.0%	7	1.1%	0	0.0%
2 a.m.	6	0.8%	6	0.9%	0	0.0%
3 a.m.	1	0.1%	1	0.2%	0	0.0%
4 a.m.	1	0.1%	1	0.2%	0	0.0%
5 a.m.	2	0.3%	1	0.2%	1	2.9%
6 a.m.	14	1.9%	12	1.8%	2	5.7%
7 a.m.	41	5.7%	34	5.1%	5	14.3%
8 a.m.	30	4.2%	29	4.4%	0	0.0%
9 a.m.	17	2.4%	14	2.1%	2	5.7%
10 a.m.	23	3.2%	21	3.2%	0	0.0%
11 a.m.	23	3.2%	18	2.7%	1	2.9%
12 p.m.	25	3.5%	24	3.6%	0	0.0%
1 p.m.	43	6.0%	42	6.4%	0	0.0%
2 p.m.	52	7.2%	50	7.6%	2	5.7%
3 p.m.	60	8.3%	59	8.9%	0	0.0%
4 p.m.	67	9.3%	61	9.2%	4	11.4%
5 p.m.	72	10.0%	67	10.1%	2	5.7%
6 p.m.	56	7.8%	52	7.9%	1	2.9%
7 p.m.	54	7.5%	48	7.3%	4	11.4%
8 p.m.	44	6.1%	41	6.2%	2	5.7%
9 p.m.	37	5.1%	32	4.8%	5	14.3%
10 p.m.	29	4.0%	27	4.1%	2	5.7%
11 p.m.	10	1.4%	9	1.4%	1	2.9%
Grand Total	720	100.0%	661	100.0%	35	100.0%

Figure 3.03 Hour of Injury Crashes and Fatal Crashes Involving Pedestrians, Utah 1999



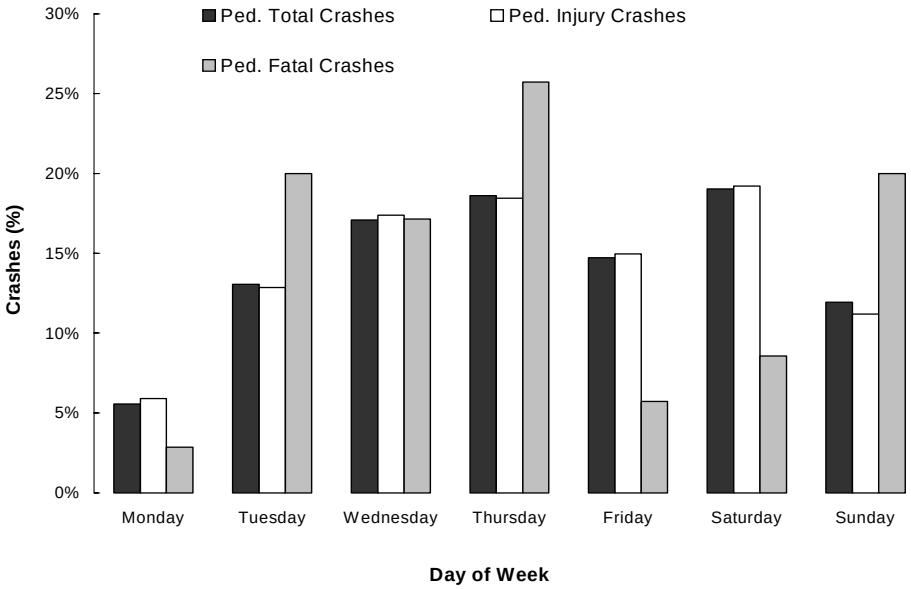
October had the highest rates of pedestrian crashes and pedestrian injury crashes (Table 3.05). The majority of fatal pedestrian crashes (37%) occurred between Memorial Day and Labor Day. The rate of fatal pedestrian crashes per day between Memorial Day and Labor Day was 0.14 which is almost double the yearly rate of 0.096.

Table 3.05 Month of Total Crashes, Injury Crashes and Fatal Crashes Involving Pedestrians, Utah 1999

	Ped. Total Crashes		Ped. Injury Crashes		Ped. Fatal Crashes	
Crash Month	#	Rate per Day	#	Rate per Day	#	Rate per Day
January	64	2.1	59	1.9	2	0.1
February	54	1.9	48	1.7	4	0.1
March	55	1.8	52	1.7	2	0.1
April	52	1.7	48	1.6	3	0.1
May	48	1.5	45	1.5	1	0.0
June	49	1.6	45	1.5	4	0.1
July	58	1.9	53	1.7	4	0.1
August	61	2.0	51	1.6	5	0.2
September	69	2.3	63	2.1	3	0.1
October	78	2.5	74	2.4	2	0.1
November	65	2.2	64	2.1	1	0.0
December	67	2.2	59	1.9	4	0.1
Grand Total	720	2.0	661	1.8	35	0.1

The highest percentage of pedestrian crashes and pedestrian injury crashes occurred on Thursday and Saturday. Fatal pedestrian crashes occurred most often on Thursday.

Figure 3.04 Day of Week for Total Crashes, Injury Crashes and Fatal Crashes Involving Pedestrians, Utah 1999



Note: The above graph is based on percentages for the different crash categories. To read the above graph, look at one category across the days of the week. For example, look at only the white bars (i.e. pedestrian injury crashes) from day to day. Do not compare the heights of the different crash categories for a specific day.

Table 3.06 Day of Week for Total Crashes, Injury Crashes and Fatal Crashes Involving Pedestrians, Utah 1999

	Ped. Total Crashes		Ped. Injury Crashes		Ped. Fatal Crashes	
Day of Week	**#**	**%**	**#**	**%**	**#**	**%**
Monday	40	5.6%	39	5.9%	1	2.9%
Tuesday	94	13.1%	85	12.9%	7	20.0%
Wednesday	123	17.1%	115	17.4%	6	17.1%
Thursday	134	18.6%	122	18.5%	9	25.7%
Friday	106	14.7%	99	15.0%	2	5.7%
Saturday	137	19.0%	127	19.2%	3	8.6%
Sunday	86	11.9%	74	11.2%	7	20.0%
Grand Total	720	100.0%	661	100.0%	35	100.0%

1999 Pedestrian Crash Characteristics

The majority of pedestrian crashes occurred in urban areas (Table 3.07). Urban areas accounted for 82.9% of the fatal pedestrian crashes.

Table 3.07 Urban / Rural Location of Total Crashes, Injury Crashes and Fatal Crashes Involving Pedestrians, Utah 1999

Urban / Rural Location	Ped. Total Crashes		Ped. Injury Crashes		Ped. Fatal Crashes	
	#	%	#	%	#	%
Rural Area - Up to 5,000	109	15.1%	102	15.4%	6	17.1%
Small Urban - 5,000 to 49,999	31	4.3%	27	4.1%	1	2.9%
Moderate Urban - 50,000 to 199,999	17	2.4%	16	2.4%	1	2.9%
Large Urban - 200,000 or More	563	78.2%	516	78.1%	27	77.1%
Grand Total	720	100.0%	661	100.0%	35	100.0%

Table 3.08 shows that the largest percentage of vehicles involved in pedestrian crashes and injury crashes were passenger cars, while pickup trucks and vans were involved in the largest percentage of fatal pedestrian crashes. School buses were involved in 3 pedestrian crashes resulting in 3 injured pedestrians but no fatalities. Large/semi trucks were involved in 7 pedestrian crashes resulting in 5 injured pedestrians and 2 fatalities.

Table 3.08 Type of Vehicles Involved in Total Crashes, Injury Crashes and Fatal Crashes Involving Pedestrians, Utah 1999

Vehicle Type	Ped. Total Crashes		Ped. Injury Crashes		Ped. Fatal Crashes	
	#	%	#	%	#	%
Passenger Car	425	57.2%	394	57.9%	15	41.7%
Pickup Truck / Vans	276	37.1%	249	36.6%	18	50.0%
Unknown	24	3.2%	24	3.5%	0	0.0%
Large/Semi Truck	7	0.9%	5	0.7%	2	5.6%
Other	7	0.9%	6	0.9%	0	0.0%
Motorcycle	1	0.1%	0	0.0%	1	2.8%
School Bus	3	0.4%	3	0.4%	0	0.0%
Grand Total	743	100.0%	681	100.0%	36	100.0%

Note: More than one vehicle may be involved in a pedestrian crash. Unknown vehicles are "hit and run" vehicles.

1999 Pedestrian Crash Violations and Contributing Factors

There were 732 drivers involved in pedestrian crashes, of which 311 (42.5%) were cited for a traffic violation (Table 3.09). Over half (55.3%) of the violations were for "failure to yield right of way". Only 6 of the 36 (16.7%) drivers involved in fatal pedestrian crashes received a citation at the crash scene.

Table 3.09 Violations for Total Crashes, Injury Crashes and Fatal Crashes Involving Pedestrians, Utah 1999

	Ped. Total Crashes		Ped. Injury Crashes		Ped. Fatal Crashes	
Violations	**#**	**%**	**#**	**%**	**#**	**%**
Failure to yield right-of-way	172	55.3%	166	56.1%	2	33.3%
Improper lookout	52	16.7%	48	16.2%	0	0.0%
All Other Non-moving violations	38	12.2%	35	11.8%	2	33.3%
Hit and Run	10	3.2%	9	3.0%	1	16.7%
Reckless Driving	6	1.9%	6	2.0%	0	0.0%
All other moving violations	6	1.9%	6	2.0%	0	0.0%
Driving under the influence	6	1.9%	5	1.7%	1	16.7%
Following too close	4	1.3%	4	1.4%	0	0.0%
Stop sign	4	1.3%	4	1.4%	0	0.0%
Speeding	4	1.3%	4	1.4%	0	0.0%
Negligent collision	4	1.3%	4	1.4%	0	0.0%
Red light	1	0.3%	1	0.3%	0	0.0%
Improper turn	1	0.3%	1	0.3%	0	0.0%
Improper backing	1	0.3%	1	0.3%	0	0.0%
Improper start and stop	1	0.3%	1	0.3%	0	0.0%
Improper passing	1	0.3%	1	0.3%	0	0.0%
Grand Total	311	100.0%	296	100.0%	6	100.0%

The factors contributing to pedestrian crashes are listed in Table 3.10. These factors were coded by the officers at the scene for vehicles involved in the crash. The officer may record no contributing factor or up to two different contributing factors. The primary contributing factor recorded for all types of pedestrian crashes was "improper lookout" followed by "failed to yield right of way". Alcohol and other drugs appear to be an important contributing factor in fatal pedestrian crashes. While "DUI", "had been drinking" and "under the influence of drugs" account for 3% of contributing factors in all pedestrian crashes, these factors accounted for 6% in fatal pedestrian crashes.

Table 3.10 Contributing Factors in Total Crashes, Injury Crashes and Fatal Crashes Involving Pedestrians, Utah 1999

	Ped. Total Crashes		Ped. Injury Crashes		Ped. Fatal Crashes	
Contributing Factors	**#**	**%**	**#**	**%**	**#**	**%**
Improper Lookout	186	36.5%	172	36.2%	4	23.5%
Failed to Yield the Right of Way	115	22.6%	110	23.2%	2	11.8%
Hit and Run	81	15.9%	75	15.8%	2	11.8%
Other Improper Driving	35	6.9%	33	6.9%	0	0.0%
Speed Too Fast	16	3.1%	13	2.7%	3	17.6%
Improper Parking	8	1.6%	8	1.7%	0	0.0%
Windshield Not Clear	7	1.4%	7	1.5%	0	0.0%
Non-Contact Vehicle Involved	7	1.4%	4	0.8%	3	17.6%
Improper Backing	7	1.4%	6	1.3%	1	5.9%
Had Been Drinking	7	1.4%	6	1.3%	1	5.9%
Driving Under the Influence	7	1.4%	7	1.5%	0	0.0%
Improper Turn	6	1.2%	5	1.1%	0	0.0%
Disregarded Traffic Signal	6	1.2%	5	1.1%	0	0.0%
Improper Overtaking	4	0.8%	4	0.8%	0	0.0%
Passed Stop Sign	3	0.6%	3	0.6%	0	0.0%
Other Defective Condition	3	0.6%	3	0.6%	0	0.0%
Following Too Closely	3	0.6%	3	0.6%	0	0.0%
Under the Influence of Drugs	2	0.4%	2	0.4%	0	0.0%
Vehicle Rolling in Traffic Lane	1	0.2%	1	0.2%	0	0.0%
Headlights Insufficient or Out	1	0.2%	0	0.0%	1	5.9%
Headlights Glaring	1	0.2%	1	0.2%	0	0.0%
Drove Left of Center	1	0.2%	1	0.2%	0	0.0%
Brakes Defective	1	0.2%	1	0.2%	0	0.0%
Asleep	1	0.2%	1	0.2%	0	0.0%
Wrong Side of Road	0	0.0%	0	0.0%	0	0.0%
Failed to Signal	0	0.0%	0	0.0%	0	0.0%
Down Hill Runaway	0	0.0%	0	0.0%	0	0.0%
Collision Fire	0	0.0%	0	0.0%	0	0.0%
Cargo Loss or Shift	0	0.0%	0	0.0%	0	0.0%
Grand Total	509	100.0%	475	100.0%	17	100.0%

1999 Drivers Involved in Pedestrian Crashes

Table 3.11 and Figure 3.05 shows that drivers between the ages of 20 to 24 years represented the greatest percentage (16.7%) of drivers involved in a pedestrian crash. The largest percentage (22.2%) of drivers involved in fatal pedestrian crashes were in the age groups 25 to 29 years.

Table 3.11 Age of Drivers in Total Crashes, Injury Crashes and Fatal Crashes Involving Pedestrians, Utah 1999

	Ped. Total Crashes		Ped. Injury Crashes		Ped. Fatal Crashes	
Driver's Age	**# Drivers**	**%**	**# Drivers**	**%**	**# Drivers**	**%**
<15	0	0.0%	0	0.0%	0	0.0%
15 - 19	114	15.6%	106	15.8%	7	19.4%
20 - 24	122	16.7%	114	17.0%	6	16.7%
25 - 29	82	11.2%	72	10.7%	8	22.2%
30 - 34	44	6.0%	39	5.8%	3	8.3%
35 - 39	73	10.0%	65	9.7%	3	8.3%
40 - 44	56	7.7%	50	7.5%	3	8.3%
45 - 49	37	5.1%	33	4.9%	3	8.3%
50 - 54	31	4.2%	28	4.2%	2	5.6%
55 - 59	20	2.7%	18	2.7%	0	0.0%
60 - 64	15	2.0%	13	1.9%	0	0.0%
65 - 69	10	1.4%	10	1.5%	0	0.0%
70 - 74	17	2.3%	16	2.4%	0	0.0%
75 - 79	7	1.0%	7	1.0%	0	0.0%
80 - 84	6	0.8%	6	0.9%	0	0.0%
85 +	2	0.3%	2	0.3%	0	0.0%
Missing	96	13.1%	91	13.6%	1	2.8%
Grand Total	732	100.0%	670	100.0%	36	100.0%

Note: More than one driver may be involved in a pedestrian crash and driver information may be missing (e.g. a hit and run).

Figure 3.05 Age of Drivers in Total Crashes, Injury Crashes and Fatal Crashes Involving Pedestrians, Utah 1999

Note: The above graph is based on percentage for the different crash categories. To read the above graph, look at one category across the age groups. For example, look at only the white bars (i.e. driver in pedestrian injury crashes) from age group to age group. Do not compare the heights of the different crash categories for a specific age group.

Slightly over half (51.6%) of drivers involved in total pedestrian crashes were male (Table 3.12). Male drivers represented 58.3% of drivers involved in fatal pedestrian crashes.

Table 3.12 Gender of Drivers in Total Crashes, Injury Crashes and Fatal Crashes Involving Pedestrians, Utah 1999

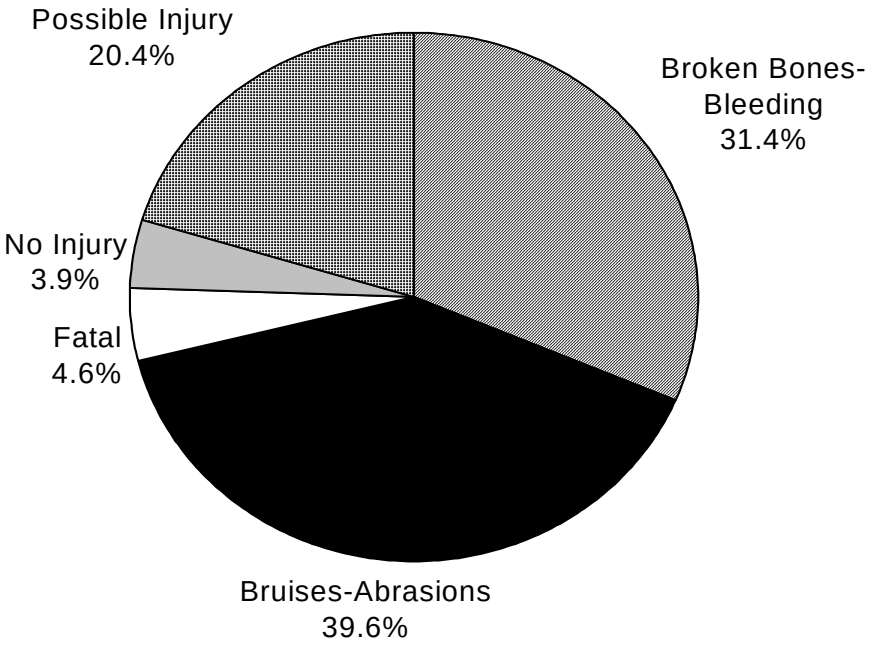
	Ped. Total Crashes		Ped. Injury Crashes		Ped. Fatal Crashes	
Driver's Gender	**# Drivers**	**%**	**# Drivers**	**%**	**# Drivers**	**%**
Female	300	41.0%	276	41.2%	14	38.9%
Male	378	51.6%	342	51.0%	21	58.3%
Missing	54	7.4%	52	7.8%	1	2.8%
Grand Total	732	100.0%	670	100.0%	36	100.0%

Note: More than one driver may be involved in a pedestrian crash and driver information may be missing (e.g., a hit and run).

1999 Pedestrian Injury Severity

Figure 3.06 shows that 96.1% of pedestrians involved in a crash sustained an injury compared to 21.7% of all motor vehicle crash participants. The percentage of pedestrian fatalities (4.6%) was higher than the percentage for all motor vehicle crash participants (0.3%).

Figure 3.06 Pedestrian Injury Severity as Reported by Police, Utah 1999 (n=818)



1999 Pedestrians by County

There were 818 pedestrians involved in crashes during 1999. This is approximately 4% less than the number of recorded pedestrians involved in crashes during 1998. Table 3.13 shows the number of pedestrians, injured pedestrians and pedestrians killed in motor vehicle crashes by county. Weber, Salt Lake, and Utah Counties had the highest rates of total pedestrians and injured pedestrians per million vehicle miles traveled. Sanpete and Cache had the highest rate of pedestrians killed.

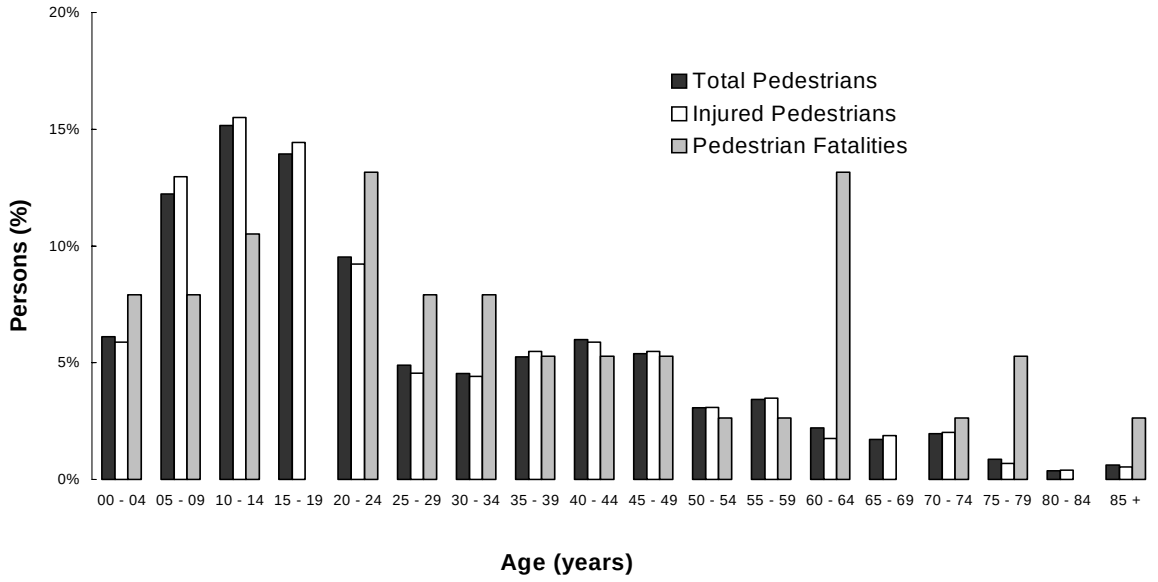
Table 3.13 Total Pedestrians, Injured Pedestrians and Pedestrian Fatalities by County, Utah 1999

	Total Pedestrians			Injured Pedestrians			Pedestrian Fatalities		
County	#	Rate per 100 MVMT	Rate Per 10,000 Population	#	Rate per 100 MVMT	Rate Per 10,000 Population	#	Rate per 1000 MVMT	Rate Per 10,000 Population
Beaver	1	0.5	1.7	1	0.5	1.7	0	0.0	0.0
Box Elder	13	1.5	3.2	12	1.4	3.0	1	1.1	0.2
Cache	25	3.3	2.9	21	2.8	2.4	2	2.6	0.2
Carbon	2	0.6	0.9	2	0.6	0.9	0	0.0	0.0
Daggett	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
Davis	51	2.5	2.3	46	2.3	2.1	4	2.0	0.2
Duchesne	4	2.2	2.8	4	2.2	2.8	0	0.0	0.0
Emery	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
Garfield	1	0.8	2.4	1	0.8	2.4	0	0.0	0.0
Grand	3	1.1	3.2	3	1.1	3.2	0	0.0	0.0
Iron	6	1.1	2.0	6	1.1	2.0	0	0.0	0.0
Juab	1	0.3	1.3	1	0.3	1.3	0	0.0	0.0
Kane	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
Millard	3	0.7	2.4	3	0.7	2.4	0	0.0	0.0
Morgan	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
Piute	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
Rich	1	2.1	5.4	1	2.1	5.4	0	0.0	0.0
Salt Lake	411	5.7	4.9	374	5.2	4.5	17	2.4	0.2
San Juan	7	2.7	5.3	7	2.7	5.3	0	0.0	0.0
Sanpete	7	3.0	3.4	6	2.6	2.9	1	4.3	0.5
Sevier	4	1.1	2.2	4	1.1	2.2	0	0.0	0.0
Summit	6	1.0	2.4	6	1.0	2.4	0	0.0	0.0
Tooele	7	1.1	2.1	5	0.8	1.5	1	1.6	0.3
Uintah	2	0.7	0.8	2	0.7	0.8	0	0.0	0.0
Utah	149	5.1	4.6	137	4.7	4.2	7	2.4	0.2
Wasatch	2	0.8	1.5	2	0.8	1.5	0	0.0	0.0
Washington	25	3.0	3.3	22	2.6	2.9	2	2.4	0.3
Wayne	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
Weber	87	5.9	4.8	82	5.5	4.5	3	2.0	0.2
Statewide	818	3.7	4.0	748	3.4	3.7	38	0.0	0.2

1999 Pedestrian Characteristics

Almost half (47.4%) of pedestrians involved in crashes were under 20 years of age (Table 3.14). This same age group accounted for 26.3% of the fatalities. While 5.6% of pedestrians involved in crashes were over the age of 65 years old, this age group accounted for 5.5% of injured pedestrians and 10.5% of the fatalities (Figure 3.07).

Figure 3.07 Age of Total Pedestrians, Injured Pedestrians and Pedestrian Fatalities, Utah 1999 (See Table 3.14 for values)



Note: The above graph is based on percentages for the different injury categories. To read the above graph, look at one category across the age groups. For example, look at only the white bars (i.e. injured pedestrians) from age group to age group. Do not compare the heights of the different categories for a specific age group.

Table 3.14 Age of Total Pedestrians, Injured Pedestrians and Pedestrian Fatalities, Utah 1999

	Total Pedestrians		Injured Pedestrians		Pedestrian Fatalities	
Age	**#**	**%**	**#**	**%**	**#**	**%**
00 - 04	50	6.1%	44	5.9%	3	7.9%
05 - 09	100	12.2%	97	13.0%	3	7.9%
10 - 14	124	15.2%	116	15.5%	4	10.5%
15 - 19	114	13.9%	108	14.4%	0	0.0%
20 - 24	78	9.5%	69	9.2%	5	13.2%
25 - 29	40	4.9%	34	4.5%	3	7.9%
30 - 34	37	4.5%	33	4.4%	3	7.9%
35 - 39	43	5.3%	41	5.5%	2	5.3%
40 - 44	49	6.0%	44	5.9%	2	5.3%
45 - 49	44	5.4%	41	5.5%	2	5.3%
50 - 54	25	3.1%	23	3.1%	1	2.6%
55 - 59	28	3.4%	26	3.5%	1	2.6%
60 - 64	18	2.2%	13	1.7%	5	13.2%
65 - 69	14	1.7%	14	1.9%	0	0.0%
70 - 74	16	2.0%	15	2.0%	1	2.6%
75 - 79	7	0.9%	5	0.7%	2	5.3%
80 - 84	3	0.4%	3	0.4%	0	0.0%
85 +	5	0.6%	4	0.5%	1	2.6%
Missing	23	2.8%	18	2.4%	0	0.0%
Grand Total	818	100.0%	748	100.0%	38	100.0%

Table 3.15 shows the gender of pedestrians involved in crashes. Over half of the pedestrians involved in all three types of pedestrian crashes were male (58.6%, 58.3%, and 55.3% respectively).

Table 3.15 Gender of Total Pedestrians, Injured Pedestrians and Pedestrian Fatalities, Utah 1999

	Total Pedestrians		Injured Pedestrians		Pedestrian Fatalities	
Gender	**#**	**%**	**#**	**%**	**#**	**%**
Female	336	41.1%	311	41.6%	17	44.7%
Male	479	58.6%	436	58.3%	21	55.3%
Missing	3	0.4%	1	0.1%	0	0.0%
Grand Total	818	100.0%	748	100.0%	38	100.0%

The actions of the pedestrian prior to the crash are shown in Table 3.16. The leading pedestrian actions prior to the crash occurrence were "crossing the roadway not at an intersection" (21.3%), and "crossing the roadway at intersection with signal" (15.6%). "Crossing the roadway not at an intersection" (21.1%), and "crossing the roadway at intersection with signal" (16%) were also the leading actions of pedestrians injured in a crash. The primary pedestrian actions prior to a fatality were "crossing not at an intersection" (31.6%) and "crossing intersection with no signal" (15.8%).

Table 3.16 Pedestrian Action Prior to Crash, Utah 1999

	Pedestrians		Injured Pedestrians		Pedestrian Fatalities	
Pedestrian Action Prior to Crash	**#**	**%**	**#**	**%**	**#**	**%**
Crossing Not at Intersection	174	21.3%	158	21.1%	12	31.6%
Crossing Intersection with Signal	128	15.6%	120	16.0%	1	2.6%
Crossing Intersection with No Signal	123	15.0%	113	15.1%	6	15.8%
Crossing Intersection Against Signal	63	7.7%	56	7.5%	4	10.5%
Other in Roadway	59	7.2%	55	7.4%	4	10.5%
Coming from Behind Parked Cars	36	4.4%	33	4.4%	2	5.3%
Not Stated	31	3.8%	29	3.9%	0	0.0%
Other Standing in Roadway	27	3.3%	25	3.3%	2	5.3%
Not in Roadway	26	3.2%	25	3.3%	1	2.6%
Playing in Roadway	23	2.8%	23	3.1%	0	0.0%
Walking To or From School	21	2.6%	20	2.7%	1	2.6%
Walking in Roadway with Traffic	19	2.3%	17	2.3%	1	2.6%
Walking on Sidewalk	14	1.7%	10	1.3%	2	5.3%
Walking in Roadway Against Traffic	14	1.7%	11	1.5%	1	2.6%
Other Working in Roadway	13	1.6%	11	1.5%	0	0.0%
Pushing-Working on Veh in Roadway	9	1.1%	9	1.2%	0	0.0%
Riding in Roadway With Traffic	8	1.0%	7	0.9%	1	2.6%
Hitching on Vehicle	8	1.0%	8	1.1%	0	0.0%
Lying on Roadway	4	0.5%	4	0.5%	0	0.0%
Riding in Roadway Against Traffic	3	0.4%	2	0.3%	0	0.0%
Standing on Crosswalk Median Island	3	0.4%	3	0.4%	0	0.0%
Crossing Intersection Diagonally	3	0.4%	3	0.4%	0	0.0%
Getting On or Off Bus	2	0.2%	1	0.1%	0	0.0%
Riding on Sidewalk	1	0.1%	1	0.1%	0	0.0%
Getting On or Off Other Vehicle	1	0.1%	1	0.1%	0	0.0%
Missing	5	0.6%	3	0.4%	0	0.0%
Grand Total	818	100.0%	748	100.0%	38	100.0%

There were 38 pedestrian fatalities in 1999. The age group and gender with the most fatalities were males aged 20 to 24 and 60 to 64 years. (Table 3.17).

Table 3.17 Age and Gender of Pedestrian Fatalities, Utah 1999

	Males		Females	
Age	#	%	#	%
00 - 04	1	4.8%	2	11.8%
05 - 09	1	4.8%	2	11.8%
10 - 14	2	9.5%	2	11.8%
15 - 19	0	0.0%	0	0.0%
20 - 24	3	14.3%	2	11.8%
25 - 29	2	9.5%	1	5.9%
30 - 34	1	4.8%	2	11.8%
35 - 39	2	9.5%	0	0.0%
40 - 44	2	9.5%	0	0.0%
45 - 49	1	4.8%	1	5.9%
50 - 54	0	0.0%	1	5.9%
55 - 59	0	0.0%	1	5.9%
60 - 64	3	14.3%	2	11.8%
65 - 69	0	0.0%	0	0.0%
70 - 74	1	4.8%	0	0.0%
75 - 79	1	4.8%	1	5.9%
80 - 84	0	0.0%	0	0.0%
85 +	1	4.8%	0	0.0%
Grand Total	21	100.0%	17	100.0%

Alcohol and Other Drugs:

There were 8 pedestrian fatalities that involved alcohol and other drugs. Of these, 6 pedestrians and 2 drivers were impaired by alcohol and other drugs.